	e		Date				
	ter 14 Earth Systems TYPES OF WEATHERING Chart						
	tions: Write a description and sketch a picture of th						
	esses. Use pages 342-348 to find the information to In System Standard and element: SES3. Students will						
	, ice, and gravity that create landforms and systems						
-	late the past and present actions of ice, wind, and v			and			
	scape evolution.						
1.)	Placed chart in notebook behind the						
	Chapter 14 Word Study. <i>(Friday, Jan. 20)</i>		yes	no			
2.)	Two types of weathering were completely defined neatly						
,	with no errors and examples given of how they occ						
	(found in C.14 Word Study)		yes	no			
	,		,				
3.)	Categories of both chemical and mechanical weathering	_					
	were accurately and completely defined neatly with	n					
	no errors. (found in C.14 Word Study)		yes	no			
4.)	Before and after sketch completed and labeled .		yes	no			
11)	TYPES OF WEATHERIN	IG	765	110			
Me	chanical Weathering (complete definition) the pro-	ocess by whi	ch rocks break do	wn			
into smaller pieces by physical means such as from ice wedging, abrasion, or organ							
activities				-			
DE	FINE THE CATEGORIES OF MECHANICAL WEATHER						
<u>exfoliation</u> - when rocks break into curved sheets that peel away from the							
<u>un</u>	derlying rock						
ice wedging - occurs when water seeps into cracks or joints in rocks and then							
fre	ezes, which causes water to expand about 10 perce		•				
	ck to break open	-					
		cks through o	abrasion - the breaking and wearing away of rocks through gravity, running				
l wa			ravity, running				
<u> </u>	ter, and wind		gravity, running				
	organic activity - mechanical weathering that oc		als dig in the soil	25			
and	organic activity - mechanical weathering that oc d plant roots break soil and eventually rocks up (org		nals dig in the soil	<u>or</u>			
and	organic activity - mechanical weathering that oc d plant roots break soil and eventually rocks up (org mpletely natural)	ganic means	nals dig in the soil	<u>or</u>			
and COL Ske	organic activity - mechanical weathering that oc d plant roots break soil and eventually rocks up (org	ganic means	nals dig in the soil	<u>or</u>			
and COL Ske	organic activity - mechanical weathering that oc d plant roots break soil and eventually rocks up (org mpletely natural) etch below a before and after example of one type o	ganic means	nals dig in the soil	<u>or</u>			
and con Ske tel	organic activity - mechanical weathering that ordered plant roots break soil and eventually rocks up (organic activity) mpletely natural) etch below a before and after example of one type of what kind it is.	ganic means	nals dig in the soil	<u>or</u>			
and con Ske tel	organic activity - mechanical weathering that oc d plant roots break soil and eventually rocks up (org mpletely natural) etch below a before and after example of one type o	ganic means	nals dig in the soil	<u>or</u>			
and con Ske tel	organic activity - mechanical weathering that ordered plant roots break soil and eventually rocks up (organic activity) mpletely natural) etch below a before and after example of one type of what kind it is.	ganic means	nals dig in the soil	<u>or</u>			
and con Ske tel	organic activity - mechanical weathering that ordered plant roots break soil and eventually rocks up (organic activity) mpletely natural) etch below a before and after example of one type of what kind it is.	ganic means	nals dig in the soil	<u>or</u>			
and con Ske tel	organic activity - mechanical weathering that ordered plant roots break soil and eventually rocks up (organic activity) mpletely natural) etch below a before and after example of one type of what kind it is.	ganic means	nals dig in the soil	<u>or</u>			

Chemical Weathering (complete definition) the process by which rocks break down as a result of chemical reactions such as through the processes of oxidation, hydrolysis, carbonation, organic acids, and acid precipitation DEFINE THE CATEGORIES OF CHEMICAL WEATHERING:
oxidation - the process by which elements combine with oxygen and commonly occurs in rock that has iron-bearing minerals such as hematite and magnetite/the red color in Georgia Red Clay is due to iron oxides which rusts
hydrolysis -a change that occurs in the composition of minerals when they react chemically with water/Example: when certain types of feldspars combine with water and form the soft, white mineral kaolin which is used in the paper industry, and to produce medications, skincare products, porcelain, and cosmetics
carbonation - the process of changing minerals into a carbonate which is when specific minerals combine with carbonic acid/Examples: Limestone and chalk are both carbonates.
organic acids - the process of changing minerals into a carbonate which is when specific minerals combine with carbonic acid/Examples: Limestone and chalk are both carbonates.
<u>acid precipitation - precipitation, such as rain, sleet, or snow that contains a</u> high concentration of acids, often because of the pollution of the atmosphere
Sketch below a before and after example of one type of chemical weathering and tell what kind it is.
Accept any reasonable answer and sketch.